

Pending Claims

1. (Original) A structure comprising:  
a device that emits an optical signal from a top face of the device;  
a sub-mount containing electrical traces that are electrically connected to the device; and  
a cap attached to the sub-mount so as to form a cavity enclosing the device, wherein the cap includes an optical element in a path of the optical signal.
2. (Original) The structure of claim 1, wherein the sub-mount further comprises: internal bonding pads that are within the cavity and connected to the device; and external terminals that electrically connect to the internal bonding pads and are accessible outside the cavity.
3. (Original) The structure of claim 1, wherein bonding of the cap to the sub-mount hermetically seals the cavity.
4. (Original) The structure of claim 1, wherein the cap comprises:  
a spacer ring attached to the sub-mount; and  
a plate attached to the spacer ring.
5. (Original) The structure of claim 4, wherein the optical element is formed on the plate.
6. (Original) The structure of claim 4, wherein the spacer ring comprises a silicon substrate having a hole formed therethrough.
7. (Original) The structure of claim 6, wherein the plate comprises a glass plate.
8. (Original) The structure of claim 4, wherein the plate comprises a glass plate.

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9. (Original) The structure of claim 1, further comprising a post attached to the cap where the optical signal emerges from the cap.

10 - 16. (Cancelled)

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